

## SEQUENCE LISTING

<110> Takeda Chemical Industries, Ltd.

<120> Preventing and treating agent for cancer

<130> P03-0038PCT

<150> JP 2002-186799

<151> 2002-06-26

<150> JP 2002-186815

<151> 2002-06-26

<160> 26

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<212> PRT

<213> Human

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30

Asp Ser Tyr Leu Pro Thr Phe Phe Leu Thr Val Met Tyr Leu Leu Ser

35

40

45

Ile Trp Leu Gly Asn Lys Tyr Met Lys Asn Arg Pro Ala Leu Ser Leu

50

55

60

Arg Gly Ile Leu Thr Leu Tyr Asn Leu Gly Ile Thr Leu Leu Ser Ala

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70

75

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Tyr Met Leu Ala Glu Leu Ile Leu Ser Thr Trp Glu Gly Gly Tyr Asn

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90

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Leu Gln Cys Gln Asp Leu Thr Ser Ala Gly Glu Ala Asp Ile Arg Val

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105

110

Ala Lys Val Leu Trp Trp Tyr Tyr Phe Ser Lys Ser Val Glu Phe Leu

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Ser Phe Val His Ile Leu Met Tyr Ser Tyr Tyr Gly Leu Ser Val Phe			
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Pro Ser Met His Lys Tyr Leu Trp Trp Lys Lys Tyr Leu Thr Gln Ala			
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Gln Leu Val Gln Phe Val Leu Thr Ile Thr His Thr Met Ser Ala Val			
210	215	220	
Val Lys Pro Cys Gly Phe Pro Phe Gly Cys Leu Ile Phe Gln Ser Ser			
225	230	235	240
Tyr Met Leu Thr Leu Val Ile Leu Phe Leu Asn Phe Tyr Val Gln Thr			
245	250	255	
Tyr Arg Lys Lys Pro Met Lys Lys Asp Met Gln Glu Pro Pro Ala Gly			
260	265	270	
Lys Glu Val Lys Asn Gly Phe Ser Lys Ala Tyr Phe Thr Ala Ala Asn			
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&lt;211&gt; 888

&lt;212&gt; DNA

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<223> Primer

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<211> 39

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<213> Artificial Sequence

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<223> Primer

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<210> 7

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Primer

<400> 7

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<210> 8

<211> 37

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<213> Artificial Sequence

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<210> 10

<211> 20

<212> DNA

<213> Artificial Sequence

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<400> 10

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<210> 11

<211> 20

<212> DNA

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<220>

<223> Primer

<400> 11

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<211> 21

<212> DNA

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<223> Primer

<400> 12

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<210> 13

<211> 20

<212> DNA

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<223> Primer

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<210> 14

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<210> 15

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<211> 479

<212> PRT

<213> Human

<400> 16

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Lys Pro Pro Lys Ser Asn Val Asn Asn Asn Pro Gly Ser Ile Thr Pro			
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Thr Val Glu Leu Asn Gly Leu Ala Met Lys Arg Gly Glu Pro Ala Ile			
65	70	75	80
Tyr Arg Pro Leu Asp Pro Lys Pro Phe Pro Asn Tyr Arg Ala Asn Tyr			
	85	90	95
Asn Phe Arg Gly Met Tyr Asn Gln Arg Tyr His Cys Pro Val Pro Lys			
	100	105	110
Ile Phe Tyr Val Gln Leu Thr Val Gly Asn Asn Glu Phe Phe Gly Glu			
	115	120	125
Gly Lys Thr Arg Gln Ala Ala Arg His Asn Ala Ala Met Lys Ala Leu			
	130	135	140
Gln Ala Leu Gln Asn Glu Pro Ile Pro Glu Arg Ser Pro Gln Asn Gly			
145	150	155	160
Glu Ser Gly Lys Asp Met Asp Asp Asp Lys Asp Ala Asn Lys Ser Glu			
	165	170	175
Ile Ser Leu Val Phe Glu Ile Ala Leu Lys Arg Asn Met Pro Val Ser			
	180	185	190
Phe Glu Val Ile Lys Glu Ser Gly Pro Pro His Met Lys Ser Phe Val			
	195	200	205
Thr Arg Val Ser Val Gly Glu Phe Ser Ala Glu Gly Glu Gly Asn Ser			
	210	215	220
Lys Lys Leu Ser Lys Lys Arg Ala Ala Thr Thr Val Leu Gln Glu Leu			
225	230	235	240
Lys Lys Leu Pro Pro Leu Pro Val Val Glu Lys Pro Lys Leu Phe Phe			
	245	250	255
Lys Lys Arg Pro Lys Thr Ile Val Lys Ala Gly Pro Glu Tyr Gly Gln			
	260	265	270
Gly Met Asn Pro Ile Ser Arg Leu Ala Gln Ile Gln Gln Ala Lys Lys			
	275	280	285
Glu Lys Glu Pro Asp Tyr Val Leu Leu Ser Glu Arg Gly Met Pro Arg			
	290	295	300

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 Gly Thr Gly Pro Asn Lys Lys Ile Ala Lys Lys Asn Ala Ala Glu Ala  
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 Met Leu Leu Gln Leu Gly Tyr Lys Ala Ser Thr Asn Leu Gln Asp Gln  
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 Leu Glu Lys Thr Gly Glu Asn Lys Gly Trp Ser Gly Pro Lys Pro Gly  
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 Phe Pro Glu Pro Thr Asn Asn Thr Pro Lys Gly Ile Leu His Leu Ser  
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 Pro Asp Val Tyr Gln Glu Met Glu Ala Ser Arg His Lys Val Ile Ser  
 385                      390                      395                      400  
 Gly Thr Thr Leu Gly Tyr Leu Ser Pro Lys Asp Met Asn Gln Pro Ser  
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 Ser Ser Phe Phe Ser Ile Ser Pro Thr Ser Asn Ser Ser Ala Thr Ile  
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 Ala Arg Glu Leu Leu Met Asn Gly Thr Ser Ser Thr Ala Glu Ala Ile  
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 Gly Leu Lys Gly Ser Ser Pro Thr Pro Pro Cys Ser Pro Val Gln Pro  
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<213> Human

<400> 17

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<211> 4058

<212> DNA

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